

Volume contents

Volume 95 (2000)

Issue Contents

Review article

R. Perris, D. Perissinotto (Italy)

Role of the extracellular matrix during neural crest cell migration

Original articles

J. Beckers, A. Caron, M. Hrabé de Angelis, S. Hans, J.A. Campos-Ortega, A. Gossler (USA, Germany)

Distinct regulatory elements direct *Delta1* expression in the nervous system and paraxial mesoderm of transgenic mice

J. Beckers, N. Schlautmann, A. Gossler (USA)

The mouse rib-vertebrae mutation disrupts anterior-posterior somite patterning and genetically interacts with a *Delta1* null allele

R. Klapper (Germany)

The longitudinal visceral musculature of *Drosophila melanogaster* persists through metamorphosis

H. Ohuchi, S. Kimura, M. Watamoto, N. Itoh (Japan)

Involvement of fibroblast growth factor (FGF)18-FGF8 signaling in specification of left-right asymmetry and brain and limb development of the chick embryo

T. Kawano, M. Fujita, H. Sakamoto (Japan)

Unique and redundant functions of SR proteins, a conserved family of splicing factors, in *Caenorhabditis elegans* development

M. Catala, C. Ziller, F. Lapointe, N.M. Le Douarin (France)

The developmental potentials of the caudalmost part of the neural crest are restricted to melanocytes and glia

N.B. Randsholt, F. Maschat, P. Santamaria (France)

polyhomeotic controls *engrailed* expression and the *hedgehog* signaling pathway in imaginal discs

I. Muñoz-Sanjuán, J.F. Fallon, J. Nathans (USA)

Expression and regulation of chicken fibroblast growth factor homologous factor (FHF)-4 at the base of the developing limbs

1

Q. Zhang, X. Lu (USA)

semang affects the development of a subset of cells in the *Drosophila* compound eye

3

M.A. Schwarz, F. Zhang, S. Gebb, V. Starnes, D. Warburton (USA)

Endothelial Monocyte Activating Polypeptide II inhibits lung neovascularization and airway epithelial morphogenesis

23

Y. Tanaka, I. Naruse, T. Hongo, M.-J. Xu, T. Nakahata, T. Maekawa, S. Ishii (Japan)

Extensive brain hemorrhage and embryonic lethality in a mouse null mutant of CREB-binding protein

35

C.D. Kaufman, G. Martínez-Rodriguez, P.B. Hackett Jr. (USA)

Ectopic expression of *c-ski* disrupts gastrulation and neural patterning in zebrafish

47

A. Schneider, T. Brand, R. Zweigerdt, H.-H. Arnold (Germany)

Targeted disruption of the *Nkx3.1* gene in mice results in morphogenetic defects of minor salivary glands: parallels to glandular duct morphogenesis in prostate

55

R.W. Köster, R.P. Kühnlein, J. Wittbrodt (Germany)

Ectopic *Sox3* activity elicits sensory placode formation

67

J.-G. Liu, M.J. Tabata, T. Fujii, T. Ohmori, M. Abe, Y. Ohsaki, J. Kato, S. Wakisaka, M. Iwamoto, K. Kurisu (Japan)

Parathyroid hormone-related peptide is involved in protection against invasion of tooth germs by bone via promoting the differentiation of osteoclasts during tooth development

77

Gene expression patterns

M. Nguyen, L. Parker, K. Arora (USA)

Identification of *maverick*, a novel member of the TGF- β superfamily in *Drosophila*

89

P. Kondaiah, M. Taira, U.D. Vempati, I.B. Dawid (India, USA)

Transforming growth factor- β 5 expression during early development of *Xenopus laevis*

101

113

123

133

147

163

175

189

201

207

D.J. Henderson, P. Ybot-Gonzalez, A.J. Copp (UK) RhoB is expressed in migrating neural crest and endocardial cushions of the developing mouse embryo	211	A.K. Braat, S. van de Water, H. Goos, J. Bogerd, D. Zivkovic (The Netherlands) Vasa protein expression and localization in the zebrafish	271
F. Lyko, A.J. Whittaker, T.L. Orr-Weaver, R. Jaenisch (USA) The putative <i>Drosophila</i> methyltransferase gene <i>dDnmt2</i> is contained in a transposon-like element and is expressed specifically in ovaries	215	L. Pissarra, D. Henrique, A. Duarte (Portugal) Expression of <i>hes6</i> , a new member of the Hairy/Enhancer-of-split family, in mouse development	275
H.C. Schröder, M. Kruse, R. Batel, I.M. Müller, W.E.G. Müller (Germany, Croatia) Cloning and expression of the sponge longevity gene <i>SDLAGL</i>	219	S.A. Vokes, P.A. Krieg (USA) <i>Gdf16</i> , a novel member of the growth/differentiation factor subgroup of the TGF- β superfamily, is expressed in the hindbrain and epibranchial placodes	279
S. Fraboulet, T. Schmidt-Petri, D. Dhoulailly, O. Pourquié (France) Expression of DM-GRASP/BEN in the developing mouse spinal cord and various epithelia	221	H. Li, E. Wagner, P. McCaffery, D. Smith, A. Andreadis, U.C. Dräger (USA) A retinoic acid synthesizing enzyme in ventral retina and telencephalon of the embryonic mouse	283
M. Hidalgo-Sánchez, R.-M. Alvarado-Mallart, I.S. Alvarez (France, Spain) <i>Pax2</i> , <i>Otx2</i> , <i>Gbx2</i> and <i>Fgf8</i> expression in early otic vesicle development	225	H. MacArthur, D.W. Houston, M. Bubunencko, L. Mosquera, M.L. King (USA) <i>DEADSouth</i> is a germ plasm specific DEAD-box RNA helicase in <i>Xenopus</i> related to eIF4A	291
S. Angelo, J. Lohr, K.H. Lee, B.S. Ticho, R.E. Breitbart, S. Hill, H.J. Yost, D. Srivastava (USA) Conservation of sequence and expression of <i>Xenopus</i> and zebrafish dHAND during cardiac, branchial arch and lateral mesoderm development	231	D.T. Kuhn, J.M. Chaverri, D.A. Persaud, A. Madjidi (USA) Pair-rule genes cooperate to activate <i>en</i> stripe 15 and refine its margins during germ band elongation in the <i>D. melanogaster</i> embryo	297
O. Crociani, A. Cherubini, E. Piccini, S. Polvani, L. Costa, L. Fontana, G. Hofmann, B. Rosati, E. Wanke, M. Olivotto, A. Arcangeli (Italy) <i>erg</i> gene(s) expression during development of the nervous and muscular system of quail embryos	239	R. Bettencourt, Y. Assefaw-Redda, I. Faye (Sweden) The insect immune protein hemolin is expressed during oogenesis and embryogenesis	301
J. Wischniewski, M. Sölter, Y. Chen, T. Hollemann, T. Pieler (Germany) Structure and expression of <i>Xenopus</i> karyopherin- β 3: definition of a novel synexpression group related to ribosome biogenesis	245	J.E. Andrews, M.J. O'Neill, M. Binder, T. Shioda, A.H. Sinclair (UK, USA, Australia) Isolation and expression of a novel member of the CITED family	305
S. Marracci, C. Rossi, I. Nardi (Italy) Identification of different forms of calpastatin mRNA co-expressed in the notochord of <i>Xenopus laevis</i> embryos	249	N. Offenhäuser, E. Santolini, A. Simeone, P.P. Di Fiore (Italy, UK) Differential patterns of expression of Eps15 and Eps15R during mouse embryogenesis	309
D.-g. Ahn, I. Ruvinsky, A.C. Oates, L.M. Silver, R.K. Ho (USA) <i>tbx20</i> , a new vertebrate T-box gene expressed in the cranial motor neurons and developing cardiovascular structures in zebrafish	253	E. Thiery, P. Gosset, D. Damotte, A.-L. Delezoide, N. de Saint-Sauveur, C. Vayssettes, N. Créau (France) Developmentally regulated expression of the murine ortholog of the potassium channel KIR4.2 (KCNJ15)	313
P.-H. Chu, P. Ruiz-Lozano, Q. Zhou, C. Cai, J. Chen (USA) Expression patterns of FHL/SLIM family members suggest important functional roles in skeletal muscle and cardiovascular system	259	Author Index	317
K.B. Rohr, M.L. Concha (UK) Expression of <i>nk2.1a</i> during early development of the thyroid gland in zebrafish	267	Subject Index	321
		Volume Contents	329
		Announcement	331
		Instructions to Authors	333
		Contents continued	335

